

What is Claimed:

1. An improved method of directional cloning of DNA comprising annealing a first oligonucleotide encoding a restriction site to single-stranded (-) cDNAs to create 5 double-stranded regions on the single-stranded (-) cDNA so that regions to be replicated in a second (+) strand synthesis are limited.

2. The method of claim 1 further comprising annealing a second oligonucleotide encoding the restriction 10 site and having a homopolymeric tail complementary to a homopolymeric tail at the 3' end of the single-stranded (-) cDNAs to the 3' end of the single-stranded (-) cDNA strand to form a stable replication competent gapped single-stranded circle by hybridization of the restriction site of 15 the second oligonucleotide to the restriction site of the single-stranded (-) cDNAs.